



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Barkur G. BHAT *et al.*

Appl. No.: 09/267,199

Filed: March 12, 1999

For: **Nucleic Acid Molecules and Other
Molecules Associated with the
Tocopherol Pathway**

Art Unit: 1631

Examiner: M. Moran

Atty. Docket: 04983.0024.00US01/
38-21 (15092)B

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Plunkett
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Response to Office Action dated October 17, 2001

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 17, 2001, applicants submit the following amendments and remarks.

IN THE CLAIMS

Please cancel claim 19 without prejudice to pursuing the underling subject matter.

Please amend the claims as follows:

B¹
1. (Twice Amended) A substantially purified nucleic acid molecule that encodes a maize or soybean tocopherol synthesis pathway enzyme or fragment thereof, wherein said maize or soybean tocopherol synthesis pathway enzyme is selected from the group consisting of:

(a) deoxyarabiono-heptulosonate-P-synthase or fragment thereof;

(b) putative deoxyarabiono-heptulosonate-P-synthase or fragment thereof;

(c) dehydroquinase synthase or fragment thereof;

(d) dehydroquinase dehydratase or fragment thereof;

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54.00 CH